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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/754,394	01/09/2004	Michael Frank Walsh	WMFR-P01-001	9186
<div>7590 06/19/2007 MICHAEL FRANK WALSH 10414 WOODBURY WOODS CT. FAIRFAX, VA 22032</div>			<div>EXAMINER GARCIA, ERNESTO</div>	
			<div>ART UNIT 3679</div>	<div>PAPER NUMBER</div>
			<div>MAIL DATE 06/19/2007</div>	<div>DELIVERY MODE PAPER</div>

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Interview Summary	Application No.	Applicant(s)	
	10/754,394	WALSH, MICHAEL FRANK	
	Examiner	Art Unit	
	Ernesto Garcia	3679	

All participants (applicant, applicant's representative, PTO personnel):

(1) Ernesto Garcia. (3) _____.

(2) Michael F. Walsh. (4) _____.

Date of Interview: 06 June 2007.

Type: a) ☒ Telephonic b) ☐ Video Conference
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.
If Yes, brief description: _____.

Claim(s) discussed: 1 and 10.

Identification of prior art discussed: De Pew, 3,065,011.

Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.



DANIEL P. STODOLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3800

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: The examiner reviewed proposed amendments to claims 1 and 10. Mr. Walsh presented four ways to amend claim 1. Each one was discussed against the prior art. The examiner concluded that the language "in the main structure and within an internal geometry of the trap" in approach II overcomes De Pew since the ball bearing 21 will not be located in the main structure 10 as identified by the examiner. Further, the proposed amendment to claim 10 was discussed. In particular, the examiner requested clarification between the "load force" recited in claim 1, line 7, and that recited in claim 10. It was clarified that the two forces were not the same force but rather a portion of the load force recited in claim 1. The examiner suggested to put the limitation of claim 10 into the independent claims 1 and 9 since the load force, recited in claim 1, line 7, or claim 9, does not state where the force is applied and claim 10 does not add any structural limitations that further limit the mechanism.

Applicant Initiated Interview Request Form

Application No.: 10/754,394 First Named Applicant: WALSH, MICHAEL FRANK
Examiner: ERNESTO GARCIA Art Unit: 3679 Status of Application: Non-Final

Tentative Participants:

(1) _____ (2) _____
(3) _____ (4) _____

Proposed Date of Interview: JUNE 6, 2007 Proposed Time: 11:00 (AM/PM)

Type of Interview Requested:

(1) ☒ Telephonic (2) ☐ Personal (3) ☐ Video Conference

Exhibit To Be Shown or Demonstrated: ☒ YES ☐ NO

If yes, provide brief description: CLAIM TEXT TO BE DISCUSSED - FAXED

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) <u>REJ</u>	<u>1</u>	_____	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(2) <u>REJ</u>	<u>10</u>	_____	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(3) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Continuation Sheet Attached					

Brief Description of Arguments to be Presented:

REGARDING CLAIM 1: PROPOSE WORDING CHANGE TO OVERCOME OBJECT
CLAIM 10: PROPOSE ADDING THE WORD "AN ATTACHMENT"
TO MAKE CLAIM DEFENSIBLE

An interview was conducted on the above-identified application on 6/6/07.

NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

[Signature]
Applicant/Applicant's Representative Signature

MICHAEL F. WALSH
Typed/Printed Name of Applicant or Representative

[Signature]
Examiner/SPE Signature

Registration Number, if applicable _____

This collection of information is required by 37 CFR 1.133. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Approach I

1. (Currently Amended) A low-force release mechanism comprising: a main structure; a trap; a moveable internal spring pin with an internal spring[[.]] to eliminate ordinal locking of the trap; a release pin; at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein the release pin is configured to be moveable to effect the position of one or more ball bearings or slugs within an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed away from the release pin; ~~at the~~ trigger to permit application of a low force to move ~~at the~~ release pin; and ~~the~~ one or more ball bearings or slugs interact with the internal geometry of the trap, wherein the one or more ball bearings or slugs retract upon removal of the release pin such that the application of the low force on the trigger causes the internal spring pin and the release pin to move a position of the container.

Approach II

1. (Currently Amended) A low-force release mechanism comprising: a main structure; a trap; a moveable internal spring pin with an internal spring[[.]] to eliminate ordinal locking of the trap; a release pin; at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein the release pin is configured to be moveable to effect the position of one or more ball bearings or slugs in the main structure and within an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed away from the release pin; ~~at the~~ trigger to permit application of a low force to move ~~at the~~ release pin; and ~~the~~ one or more ball bearings or slugs interact with the internal geometry of the trap, wherein the one or more ball bearings or slugs retract upon removal of the release pin such that the application of the low force on the trigger causes the internal spring pin and the release pin to move a position of the container.

Approach III

1. (Currently Amended) A low-force release mechanism comprising: a main structure; a trap; a moveable internal spring pin with an internal spring[[.]] to eliminate ordinal locking of the trap; a release pin; at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein the release pin is configured to be moveable to effect the position of one or more ball bearings or slugs within the trap internal geometry ~~is an internal geometry of the trap~~, such that the position of said trap is locked and held; a load force is distributed away from the release pin; ~~at the~~ trigger to permit application of a low force to move ~~at the~~ release pin; and ~~the~~ one or more ball bearings or slugs interact with the internal geometry of the trap, wherein the one or more ball bearings or slugs retract upon removal of the release pin such that the application of the low force on the trigger causes the internal spring pin and the release pin to move a position of the container.

Approach IV

1. (Currently Amended) A low-force release mechanism comprising: a main structure; a trap; a moveable internal spring pin with an internal spring[[.]] to eliminate ordinal locking of the trap; a release pin; at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein the release pin is configured to be moveable to effect the position of one or more ball bearings or slugs in an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed away from the release pin; ~~at the~~ trigger to permit application of a low force to move ~~at the~~ release pin; and ~~the~~ one or more ball bearings or slugs interact with the main structure and the internal geometry of the trap, wherein the one or more ball bearings or slugs retract upon removal of the release pin such that the application of the low force on the trigger causes the internal spring pin and the release pin to move a position of the container.

10. (Currently Amended) The low-force release mechanism of claim 1 or claim 9, wherein the load force of an attachment is distributed to the main structure and to the trap.